

Washington Aqueduct

www.washingtonaqueduct.nab.usace.army.mil

Description	FY 2003 Approved	FY 2004 Proposed	% Change
Operating Budget	\$57,847,000	\$55,553,000	-4.0

The mission of the Washington Aqueduct is to collect, purify, and pump an adequate supply of potable water for the District of Columbia, Arlington County, and the city of Falls Church, Virginia.

The agency plans to fulfill its mission by achieving the following strategic result goals:

- Provide an adequate supply of potable water.
- Provide potable water at an equitable, economical rate that covers all costs.
- Protect the drinking water consumer from both microbial risk and adverse health effects because of chemicals in the drinking water.

Did you know...

Overall cost of service per million gallons in FY 2002*	\$515.34
Number of lab analyses in FY 2002	40,782
Maximum daily production in FY 2002 (in millions of gallons)	239
Average daily pumpage during FY 2002 (in millions of gallons)	179

*Net of early debt retirement and pay-as-you-go capital financing.

Where the Money Comes From

Table LB0-1 shows the sources of funding for the Washington Aqueduct.

Table LB0-1

FY 2004 Proposed Operating Budget, by Revenue Type

(dollars in thousands)

	Actual FY 2001	Actual FY 2002	Approved FY 2003	Proposed FY 2004	Change From FY 2003	Percent Change
Special Purpose Revenue Fund	0	0	57,847	55,553	-2,294	-4.0
Total for General Fund	0	0	57,847	55,553	-2,294	-4.0
Gross Funds	0	0	57,847	55,553	-2,294	-4.0

How the Money is Allocated

Table LB0-2 shows the FY 2004 proposed budget for the agency at the Comptroller Source Group level (Object Class level).

Table LB0-2

FY 2004 Proposed Operating Budget, by Comptroller Source Group

(dollars in thousands)

	Actual FY 2001	Actual FY 2002	Approved FY 2003	Proposed FY 2004	Change from FY 2003	Percent Change
50 Subsidies And Transfers	0	0	57,847	55,553	-2,294	-4.0
Subtotal Nonpersonal Services (NPS)	0	0	57,847	55,553	-2,294	-4.0
Total Proposed Operating Budget	0	0	57,847	55,553	-2,294	-4.0

Gross Funds

The proposed Gross Funds budget is \$55,553,000, representing a decrease of 4 percent from the FY 2003 Gross Funds budget of \$57,847,000. This budget supports no District full-time equivalent positions (FTEs).

General Fund

Special Purpose Revenue Funds. The proposed Special Purpose Revenue budget is \$55,553,000, a decrease of \$2,294,000, from the FY 2003 approved budget of \$57,847,000. This budget supports no District full-time equivalent positions (FTEs).

Significant changes from the FY 2003 budget are:

- A decrease of \$8,747,000 in debt service because of lower prepayments in FY 2004.

- An increase of \$5,750,000 in pay-as-you-go capital to begin design of Residual Handling Facilities to meet proposed EPA permit requirements.
- An increase of \$703,000 in ongoing operations and maintenance costs.

Programs

The Washington Aqueduct is committed to the following program:

Water Supply

The Washington Aqueduct owns and operates intake facilities on the Potomac River in Great Falls and Little Falls, Maryland. The Aqueduct also owns and operates two 12-mile long gravity conduit systems with a combined 200 million gallon per day (mgd) capacity; a 450-mgd raw water pumping station; a 480-mgd finished

water pumping station; two major treatment plants with 400-mgd capacity, three booster-pumping stations, seven finished storage reservoirs, and many large diameter transmission mains.

The Aqueduct is managed by, and is a division of, the U.S. Army Corps of Engineers. It is governed by a Wholesale Customer Board. It sells water to three wholesale customers: the District's Water and Sewer Authority (WASA); Arlington County; and the city of Falls Church, Virginia. During FY 2004, the Aqueduct will pump an estimated 65 billion gallons of purified water to its customers.

The Aqueduct does not receive appropriated funding. Moreover, the U.S. Army Corps of Engineers is prohibited from using appropriated funds to operate the water supply system. As a federal entity, the Aqueduct needs the Congress to authorize the agency's operations. The agency submits a budget to the District of Columbia, in accordance with legislation, to obtain this authority.

The District of Columbia Water and Sewer Authority (WASA) funds the District's portion of the costs of the Washington Aqueduct. WASA purchases potable water using its supplies budget, making monthly payments to the Washington Aqueduct based on the number of gallons delivered. The Aqueduct charges a rate based on water sales agreements with the District of Columbia and northern Virginia. The District of Columbia, Arlington County, and the city of Falls Church, Virginia are responsible for water distribution.

Agency Goals and Performance Measures

Goal 1: Provide an adequate supply of potable water.

Citywide Strategic Priority Area(s): Building Sustainable Neighborhoods; Making Government Work

Manager(s): Lloyd D. Stowe, Chief, Plant Operations, Washington Aqueduct, U.S. Army Corps of Engineers

Supervisor(s): Thomas P. Jacobus, Chief,

Washington Aqueduct, U.S. Army Corps of Engineers

Measure 1.1: Amount of water pumped annually (billions of gallons)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	66.2	64.4	62.6	64.8	64.8
Actual	64.2	65.1	-	-	-

Note: Due to capital construction at Scott's Run Pumping Station, FY 2003 pumpage will be significantly lower while Falls Church temporarily obtains water from the Fairfax County Water Authority. Consequently, the Washington Aqueduct reduced the FY 2003 target from 64.9 to 62.6 billion gallons and increased the FY 2004 target from 63.9 to 64.8 billion gallons. (12/27/02)

Measure 1.2: Average amount of water pumped per day to the District of Columbia (millions of gallons)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	136	135	135	135	135
Actual	134	136	-	-	-

Note: The Washington Aqueduct adjusted the FY 2003 and FY 2004 targets from 136 and 134 million gallons, respectively, to 135 million gallons each year. (12/27/02)

Measure 1.3: Average amount of water pumped per day to Arlington, Virginia (millions of gallons)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	27	26	27	27	27
Actual	26	27	-	-	-

Note: The Washington Aqueduct adjusted the FY 2003 and FY 2004 targets from 26 to 27 million gallons each year. (12/27/02)

Measure 1.4: Average amount of water pumped per day to Falls Church, Virginia (millions of gallons)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	15	16	10	16	16
Actual	16	16	-	-	-

Note: The Washington Aqueduct adjusted the FY 2003 and FY 2004 targets from 15 million gallons to 10 and 16 million gallons, respectively. (12/27/02)

Goal 2: Provide potable water at an equitable, economical rate that covers all costs.

Citywide Strategic Priority Area(s): Building Sustainable Neighborhoods; Making Government Work

Manager(s): Kathy A. Stowe, Chief, Administrative Services, Washington Aqueduct, U.S. Army Corps of Engineers

Supervisor(s): Thomas P. Jacobus, Chief, Washington Aqueduct, U.S. Army Corps of Engineers

Measure 2.1: Cost per million gallons of pumped water for the District of Columbia (dollars)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	588	573	492	520	566
Actual	551	463	-	-	-

Note: Actual results for FY 2002 is estimated as final results have not been analyzed and does not reflect D.C. Treasury Loan prepayment. FY 2003 and FY 2004 assume Treasury Loan prepayment, which is not included. Costs also do not include pay-as-you-go financing. In addition, the Washington Aqueduct reduced the FY 2003 and FY 2004 targets from \$591 and \$720 per million gallons pumped to \$492 and \$520 per million gallons pumped. (12/27/02)

Measure 2.2: Amount of revenue collected from the District of Columbia (millions of dollars)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	33.2	34	28.2	39	36.9
Actual	25.3	30.6	-	-	-

Note: FY 2001 through FY 2004 do not reflect D.C. Treasury prepayment but include pay-as-you-go financing for capital improvements. In addition, the Washington Aqueduct adjusted the FY 2003 target from \$33.6 million to \$28.2 million and the FY 2004 target from \$35.1 million to \$39 million. (12/27/02)

Measure 2.3: Amount of revenue collected from Arlington, Virginia (millions of dollars)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	7	7.5	7.9	11	8.7
Actual	5.8	8.8	-	-	-

Note: Includes pay-as-you-go capital financing. The Washington Aqueduct adjusted the FY 2003 target from \$7.3 million to \$7.9 million and the FY 2004 target from \$8.6 million to \$11.0 million. (12/27/02)

Measure 2.4: Amount of revenue collected from Falls Church, Virginia (millions of dollars)

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	4.4	5	4.1	7	5.2
Actual	3.4	5.2	-	-	-

Note: Includes pay-as-you-go capital financing. The Washington Aqueduct adjusted the FY 2003 target from \$4.8 million to \$4.1 million and the FY 2004 target from \$4.9 million to \$7.0 million. (12/27/02)

Goal 3: Protect the drinking water consumer from both microbial risk and adverse health effects due to chemicals in the drinking water, as well as provide laboratory support to WASA.

Citywide Strategic Priority Area(s): Building Sustainable Neighborhoods; Making Government Work

Manager(s): Elizabeth Turner, Chief, Laboratory Section, Washington Aqueduct, U.S. Army Corps of Engineers

Supervisor(s): Thomas P. Jacobus, Chief, Washington Aqueduct, U.S. Army Corps of Engineers

Measure 3.1: Number of microbiological samples collected and analyzed within the D.C. water distribution system

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	3200	3200	3200	3200	3200
Actual	2889	2815	-	-	-

Measure 3.2: Number of chemical substances investigated for presence in the water supply system-wide

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	178	178	181	181	181
Actual	180	180	-	-	-

Measure 3.3: Number of lead and copper tests performed for the District of Columbia at the request of WASA

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	55	250	1550	250	250
Actual	250	142	-	-	-

Note: DC WASA plans to do special lead sampling for replacement of lead service lines in FY 2003 with an estimate of 1,300 samples in addition to other Lead and Copper monitoring. Consequently the Washington Aqueduct has increased the FY 2003 target from 250 tests to 1,550 tests. (12/27/02)

Measure 3.4: Number of THM/HAA samples collected and analyzed for the District of Columbia at the request of WASA

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	160	160	328	160	160
Actual	160	160	-	-	-

Note: Stage 2 of the Disinfectant By Product Rule requires an Initial Distribution System Evaluation in FY 2003, which will require additional THM/HAA samples.

Measure 3.5: Number of inorganic samples analyzed for the District of Columbia at the request of WASA

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	350	350	350	350	350
Actual	365	398	-	-	-

Measure 3.6: Percentage of samples in compliance with regulatory limits system-wide

	Fiscal Year				
	2001	2002	2003	2004	2005
Target	100	100	100	100	100
Actual	100	100	-	-	-